

SASSO 100 round downlight

trim 2 lamps

048-2700117M 048-2798318 002-90780



Project / Type _____

Notes _____

Count / Date _____



220-240V

IP20
IP44

X-PERT

X-PERT

General

Ceiling , Recessed

white , RAL9016 ¹

Mounting set jet black

front IP44 , back IP20

4360 lm

LED

4000 K

CRI ≥ 90

L80 / 50000 h

initial MacAdam ≤ 2 SDCM

R_g: 98 , R_r: 90 , R_{t(1-15)}: 88

MR 0.8

MDER 0.72

Optical

medium

beam angle 33°

UGR < 19

Electrical

non DIM

system 52 W

inset 22.7 W

36 Vf

650 mA

total insets 45 W

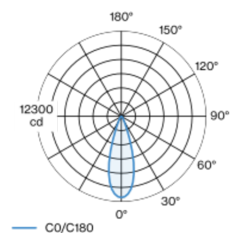
PC2 220-240V

system 84 lm/W²

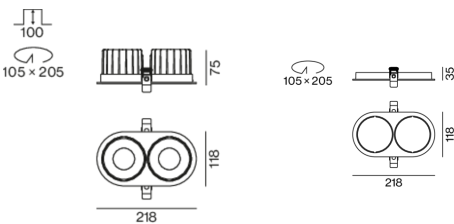
inset 96 lm/W³

Round recessed spotlight in die-cast aluminium; 2 lamps; surface white; installation without tools in mounting set due to patented ball catch system; oval installation housing; with trim jet black; suitable for ceiling thickness of 2-25 mm; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 4000 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. high quality lens system; precise radiation characteristic with 33° beam; UGR ≤ 19; degree of protection from below IP44 (from above IP20); PC2 220-240V; incl. converter, non dimmable; through wiring connection box, 3-pole or 5-pole, available as an accessory; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



Physical

trim

length 218 mm

width 118 mm

height 75 mm

0.55 kg

Cutout

diameter 105 mm

length 205 mm

width 105 mm

min. ceiling thickness 2 mm

max. ceiling thickness 25 mm

recessed depth 100 mm

¹ RAL code

² incl. optical losses and the efficiency of the operating device (converter)

³ incl. optical losses



SASSO 100 round downlight

trim 2 lamps

048-2700117M 048-2798318 002-90780



Project / Type

Notes

Count / Date

Installation
instructions



Lighting
calculator



SASSO 100 round downlight

trim 2 lamps

048-2700117M 048-2798318 002-90780



Project / Type

Notes

Count / Date

Maintenance Factors

| Operating Time [h] | 10 000 | 20 000 | 30 000 | 40 000 | 50 000 |
|--------------------|------------------------------|--------|-------------------|---------------------------------|--------|
| LLMF | 0.964 | 0.923 | 0.884 | 0.847 | 0.811 |
| LSF | 1 | 1 | 1 | 1 | 1 |
| MF | LMF × RSMF × LLMF × LSF | | RSMF ^a | Room Surface Maintenance Factor | |
| MF | Maintenance Factor | | LLMF | Lamp Lumens Maintenance Factor | |
| LMF ^a | Luminaire Maintenance Factor | | LSF | Lamp Survival Faktor | |

^a According to "CIE 97, Maintenance of indoor electric lighting systems", 2005, ISBN 3-900-734-34-8. The values must be determined by the planner.

Circuit Breaker Types

| Automatic Circuit Breaker Type | Number of Fixtures |
|--------------------------------|--------------------|
| B10 | 33 |
| B16 | 53 |
| B20 | 67 |
| B25 | 83 |
| C10 | 40 |
| C16 | 64 |
| C20 | 80 |
| C25 | 100 |

Components

MOUNTING SET with trim 2 lamps

| | | | |
|-----------------------------------|---------------------|--------------------------|----------------------------------|
| TYPE for intermediate ceilings | COLOUR jet black | L-W-H (MM) 218-118-35 | ARTICLE NUMBER(S) 048-2798318 |
|-----------------------------------|---------------------|--------------------------|----------------------------------|



CONVERTER

| | | |
|--------------|-------------------------|--------------------------------|
| TYPE 31 W | L-W-H (MM) 143-43-30 | ARTICLE NUMBER(S) 002-90780 |
|--------------|-------------------------|--------------------------------|



Electrical accessories

THROUGH WIRING CONNECTION BOX

| | | |
|-----------------------------------|-------------------------|----------------------------------|
| TYPE non DIM cable ø 4 – 12 mm | L-W-H (MM) 105-58-30 | ARTICLE NUMBER(S) 005-2531110 |
| DALI cable ø 4 – 12 mm | 105-58-30 | 005-2551110 |



Optional electrical accessories

DIN RAIL POWER SUPPLY

| | | |
|---------------|------------------------|----------------------------------|
| TYPE 160 W | L-W-H (MM) 72-90-63 | ARTICLE NUMBER(S) 005-6520210 |
|---------------|------------------------|----------------------------------|



DIN RAIL LED DRIVER

| | | |
|--|------------------------|----------------------------------|
| TYPE DALI-2 200-1050 mA 2 x 42W | L-W-H (MM) 36-88-59 | ARTICLE NUMBER(S) 005-6121030 |
|--|------------------------|----------------------------------|



Optical accessories

HONEYCOMB LOUVER

| | | |
|---------------------|--------------|----------------------------------|
| COLOUR jet black | Ø (MM) 50 | ARTICLE NUMBER(S) 007-1965598 |
|---------------------|--------------|----------------------------------|



[‘048-2700117M 048-2798318 002-90780’] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of XAL GmbH apply.
© XAL GmbH · Auer-Welsbach-Gasse 36 · 8055 Graz · Austria · www.xal.com

03.12.2024